

INTERNATIONAL SEARCH REPORT

 International Application No
 PCT/DK 000003

 A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H04R25/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 H04R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No. .
P,X	EP 1 196 009 A (TOEPHOLM & WESTERMANN) 10 April 2002 (2002-04-10) the whole document	1-5
P,X	US 2002/037088 A1 (DICKEL THOMAS ET AL) 28 March 2002 (2002-03-28) the whole document	1-5
A	EP 1 017 253 A (SIEMENS CORP RES INC) 5 July 2000 (2000-07-05) the whole document	1-5
A	US 6 327 370 B1 (WITTKOWSKI JOHANNES ET AL) 4 December 2001 (2001-12-04) the whole document	1-5
-/--		

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

29 April 2003

Date of mailing of the international search report

14.05.2003

Name and mailing address of the ISA

 European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

HENRIK ANDERSSON / JA

INTERNATIONAL SEARCH REPORT

International Application No
PCT/DK 0003

C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 93 20668 A (GN DANAVOX AS ;HANSEN ROY SKOVGAARD (DK)) 14 October 1993 (1993-10-14) the whole document ---	1-5
A	US 4 073 366 A (ESTES ROGER Q) 14 February 1978 (1978-02-14) the whole document -----	1-5

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/UK 0003

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1196009	A	10-04-2002	AU 9368101 A WO 0230150 A2 EP 1196009 A2 US 2002041696 A1	15-04-2002 11-04-2002 10-04-2002 11-04-2002
US 2002037088	A1	28-03-2002	DE 10045197 C1 DK 200101330 A	07-03-2002 14-03-2002
EP 1017253	A	05-07-2000	CN 1261759 A EP 1017253 A2	02-08-2000 05-07-2000
US 6327370	B1	04-12-2001	US 6101258 A US 5524056 A US 2002057815 A1 AT 221303 T DE 69431037 D1 DE 69431037 T2 EP 0664071 A1 WO 9424834 A1	08-08-2000 04-06-1996 16-05-2002 15-08-2002 29-08-2002 06-03-2003 26-07-1995 27-10-1994
WO 9320668	A	14-10-1993	DK 43292 A AU 3948293 A DE 69327951 D1 DE 69327951 T2 WO 9320668 A1 EP 0634084 A1 JP 7505271 T US 5680467 A	01-10-1993 08-11-1993 06-04-2000 17-08-2000 14-10-1993 18-01-1995 08-06-1995 21-10-1997
US 4073366	A	14-02-1978	NONE	